

**UPDATE**

**CALFED DSM1 Suisun Marsh Version Re-calibration**

**DWR Suisun Marsh Planning**

**March 20, 1997**

CALFED/1555

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D-003459

**UPDATE: DSM1 Suisun Marsh Version Re-calibration**  
**DWR Suisun Marsh Branch**  
**March 20, 1997**

Today's Storage and Conveyance analysis handout contains a section on re-calibration of the DSM1 Suisun Marsh Version Model. In that section, a summary of Bay/Delta geometry revisions, and the approach, procedure, and interim results of the re-calibration for CALFED are presented. The calibration is currently underway. This packet is intended as an addendum to the DSM1 re-calibration section with up-to-date results.

Figure 1 is an interim calibration comparison of tidal flows between pre-calibration results, the latest calibration results as of March 19, 1997, and the observed USGS UVM flow data. Figure 2 is a similar comparison for interim calibration of tidal stage.

Proper description of Bay/Delta geometry is a key factor for adequate model calibration. The re-calibration section in today's Storage and Conveyance analysis handout describes the process used to re-evaluate the model geometry description based on the available bathymetry data. Figure 3 graphically summarizes the geometry of a key Delta channel, Three Mile Slough, based on seventeen cross-sections collected by the USGS.

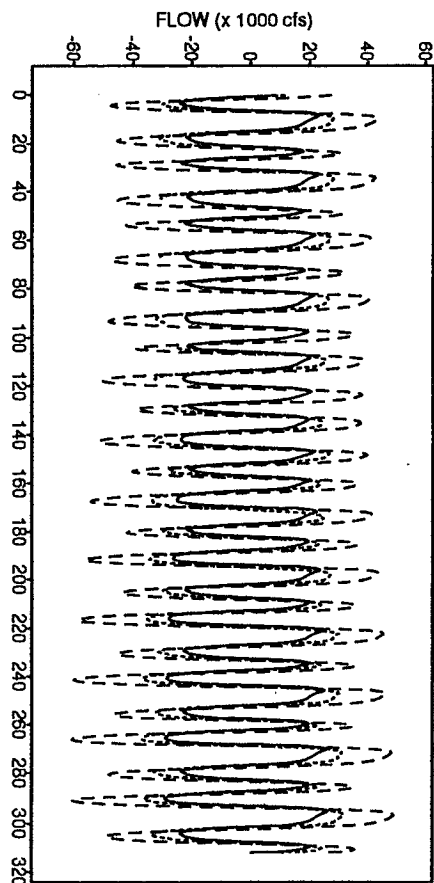
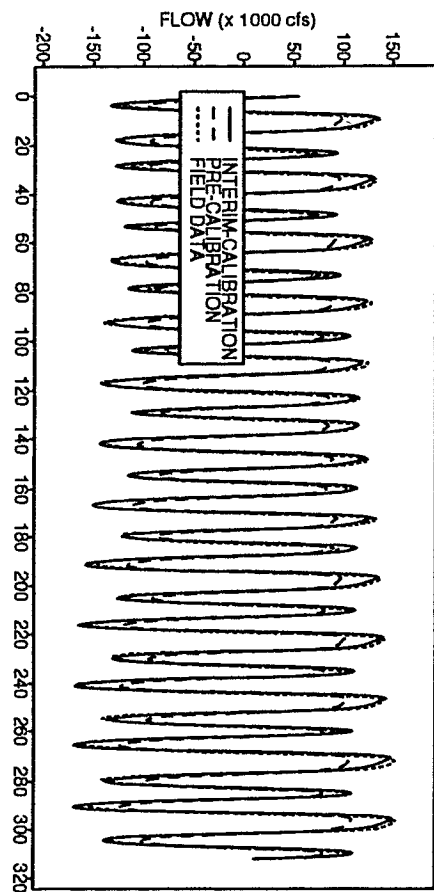
We encourage interested people to visit the DSM1 re-calibration web site where up to the day calibration results are available for viewing. The web site can be found through a link from the Interagency Ecological Program home page at **[http:// www.iep.water.ca.gov](http://www.iep.water.ca.gov)**. The web site includes time-series, and scatter plots, along with meta data about each calibration run. Comments are welcome. An email reflector has been established to facilitate discussion about the calibration. The reflector email address is "**[dsm1cal.water.ca.gov](mailto:dsm1cal.water.ca.gov)**."

Jersey Point

Interim DSM1 Suisun Marsh Vers. Calibration

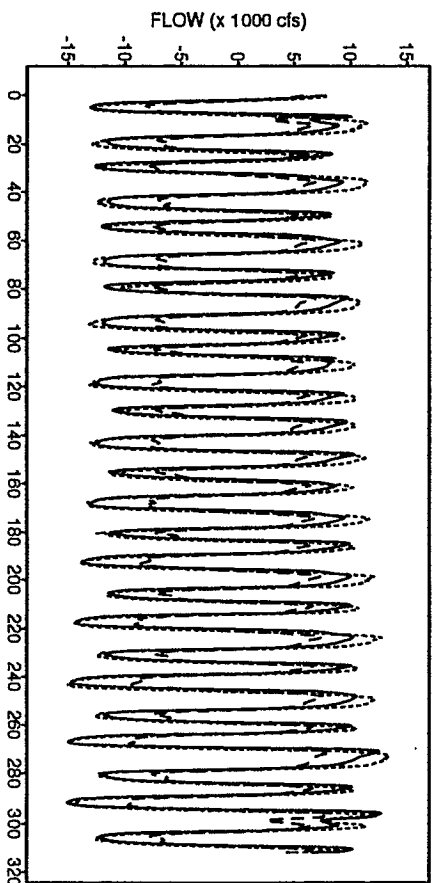
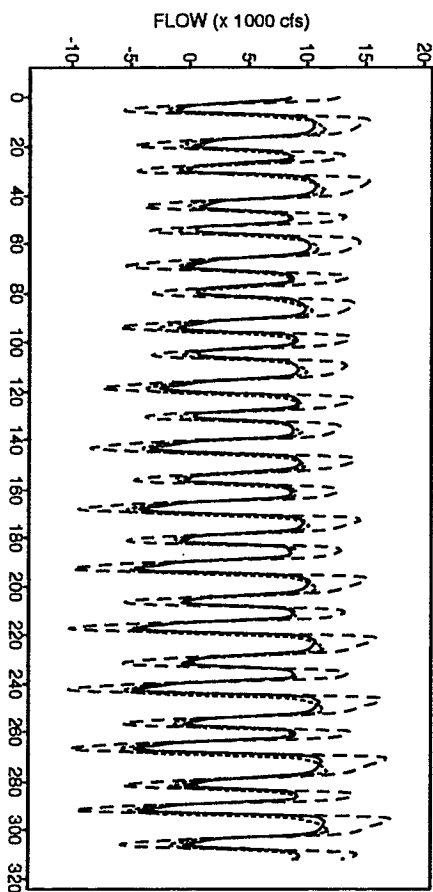
Three Mile Slough

FIGURE 1



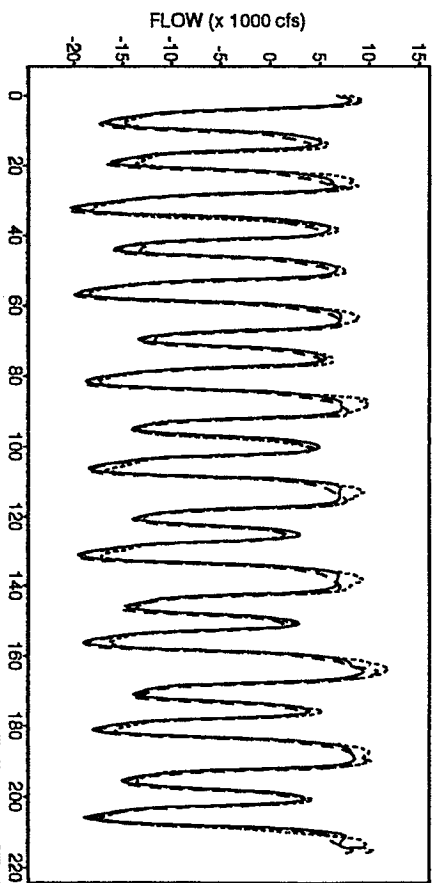
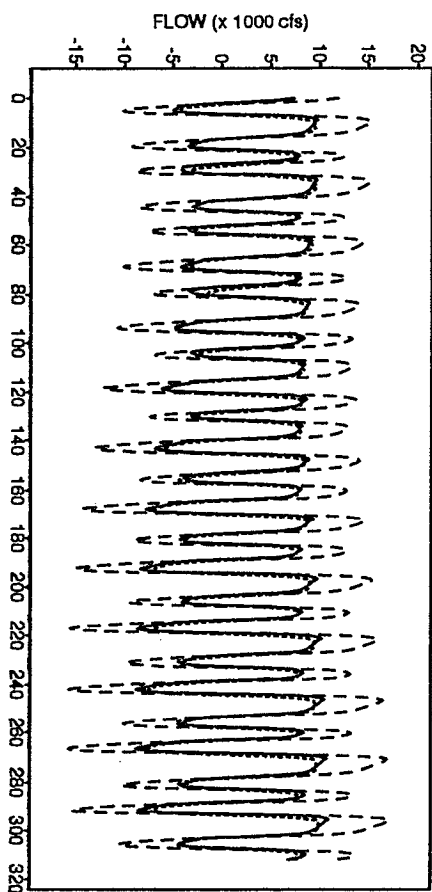
Sac River above DCC

Middle River UVM



Sac River below Geo. Sl. (423)

Old River UVM (106)



HOURS FROM 19MAY1994 0015

HOURS FROM 12JAN1993 0015

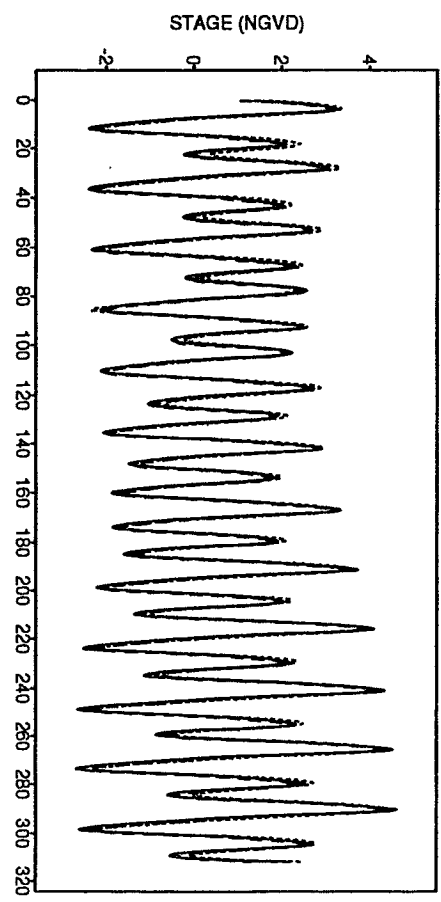
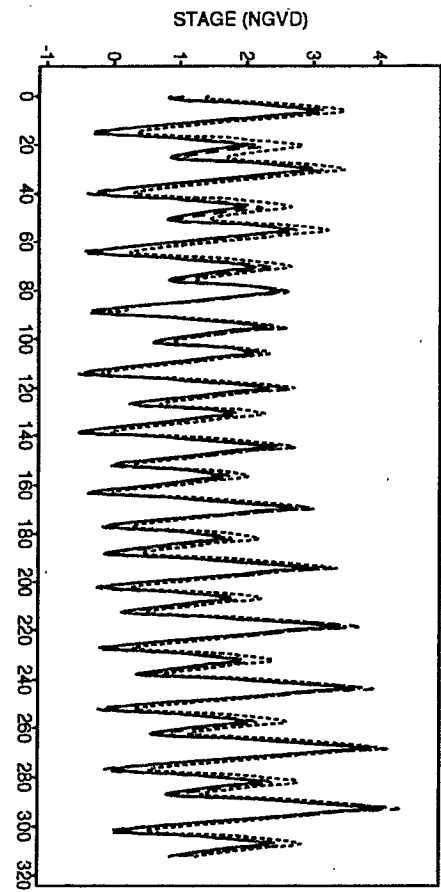
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Sac River @ Walnut Grove

Interim DSM1 Suisun Marsh Vers. Calibration

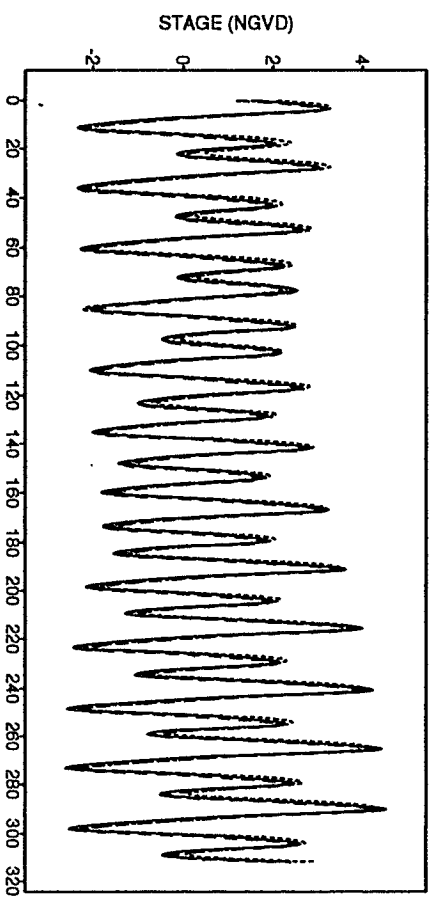
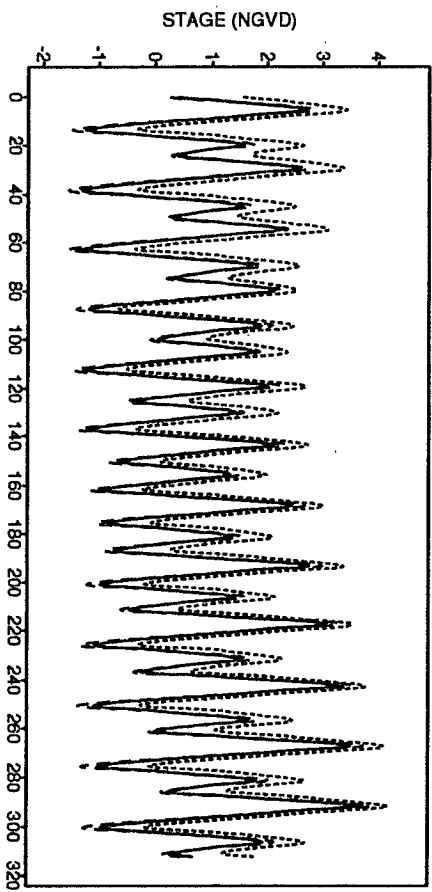
S42

FIGURE 2



Three Mile Slough

S54



Antioch

S64

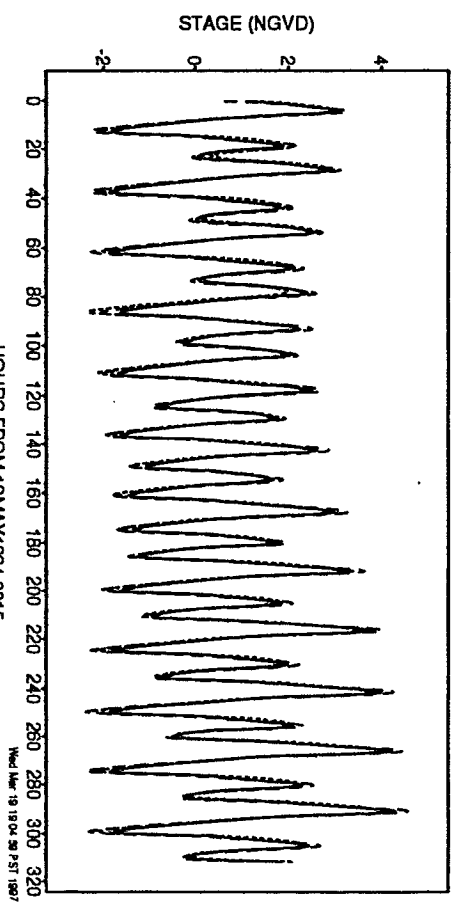
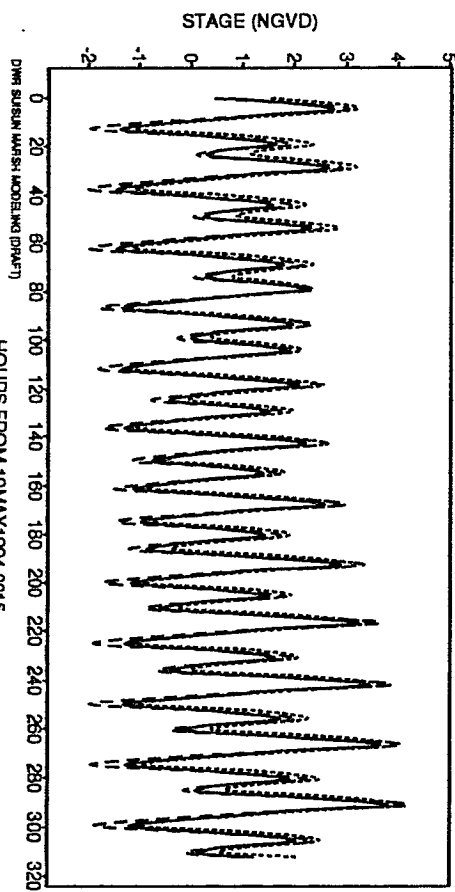
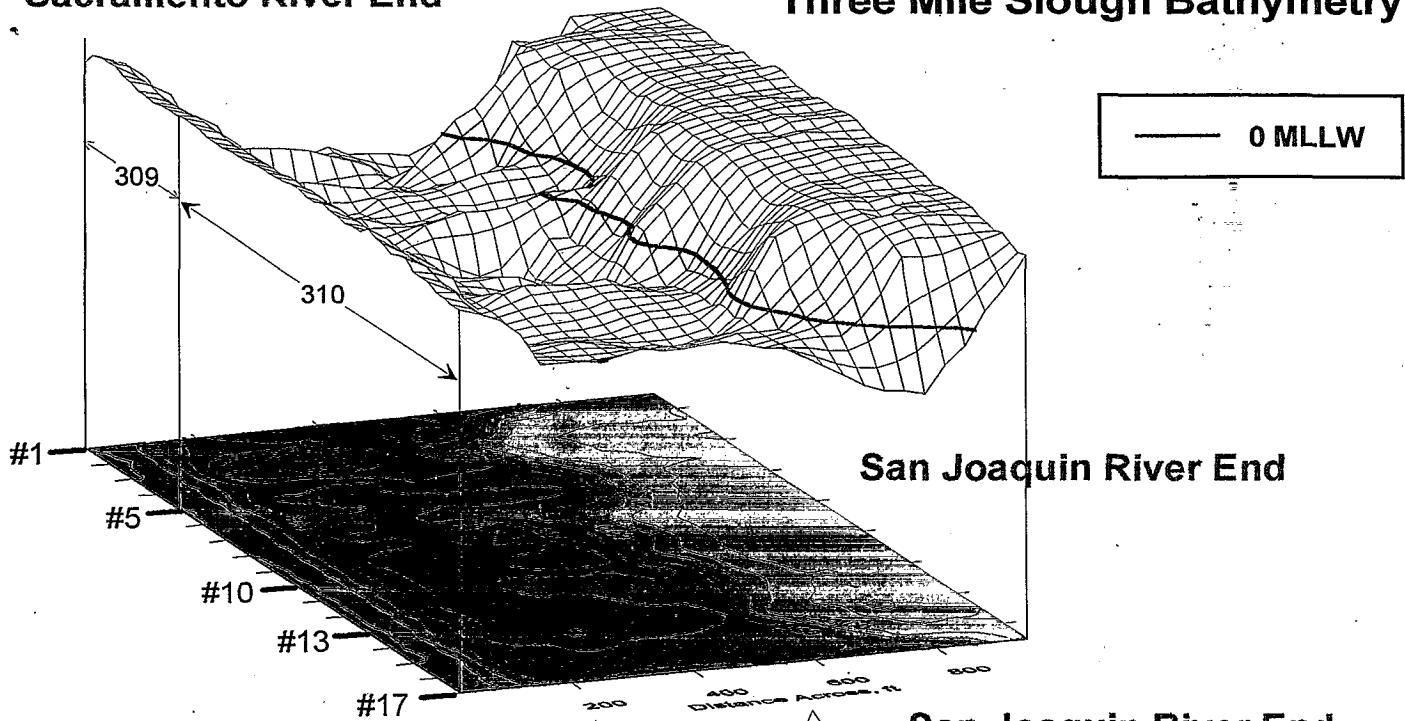


Figure 3

Sacramento River End

Three Mile Slough Bathymetry



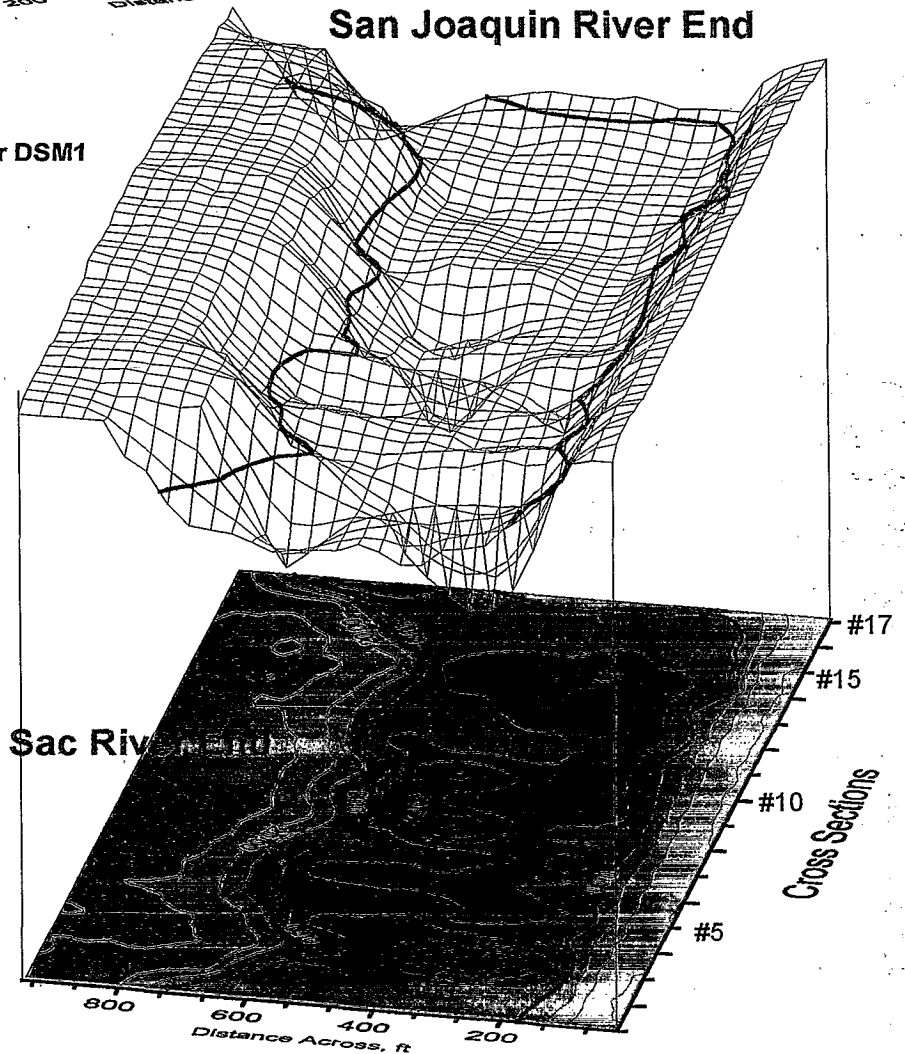
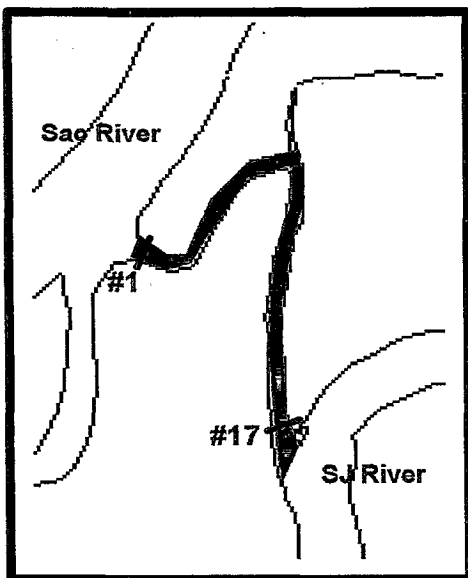
San Joaquin River End

San Joaquin River End

Note: 309 & 310 refer to channel numbers for DSM1

Vertical Datum, ft (MLLW)

Three Mile Aerial View



Data provided by USGS

Department of Water Resources - Suisun Marsh Planning